

## Abstract

### Electrohydraulic Brake System for Motor Vehicles

The invention relates to an electrohydraulic brake system for motor vehicles, which substantially presents a brake pressure sensor or main brake cylinder, a pressurizing medium reservoir, an electrohydraulic pressure source, separation valves, which are inserted in the connection between the main brake cylinder and the wheel brakes, inlet valves, which are connected before the wheel brakes, and outlet valves which are connected after the wheel brakes, as well as a valve block, which receives the pump, the separation valves as well as the inlet valves and the outlet valves, where the pressure source, the wheel brakes as well as the brake pressure sensor can be connected with the pressurizing medium reservoir.

To produce a compact electrohydraulic equipment assembly, the invention provides for integrating the brake pressure sensor (2) in such a manner in the valve block (16) that all the hydraulic connections between the brake pressure sensor (2) and the separation valves (27-30) as well as the inlet valves (47-50) are formed by bores in the valve block (16).

(Figure 1)